



## NEWS RELEASE

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FOR IMMEDIATE RELEASE

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### **CURTISS-WRIGHT COLLABORATES WITH LORD CORPORATION TO BRING WIRELESS NETWORKING TO FLIGHT TEST INSTRUMENTATION**

*Support for LORD's wireless sensor networking will help reduce the weight and complexity of cabling in FTI data acquisition applications*

ETTC 2015, TOULOUSE, FRANCE – June 9, 2015 – [Curtiss-Wright Corporation](#) (NYSE: CW) today announced that its [Defense Solutions](#) division and LORD Corporation have agreed to collaborate on the development of a wireless sensing solution for data acquisition in Flight Test Instrumentation (FTI) applications. Under the agreement, Defense Solutions' Avionics & Electronics business will integrate LORD MicroStrain's Lossless Extended Range Synchronized (LXRS<sup>®</sup>) gateway technology onto a hardware module for use in Curtiss-Wright's COTS-based [Acra KAM-500 Data Acquisition Unit \(DAU\)](#) subsystem.

The new module will make the Acra KAM-500 compatible with the wireless sensor nodes supported by LORD and provide Curtiss-Wright's FTI customers with a single solution for both wireless and wired data acquisition. It will also enable system designers to configure their wireless and wired networks using the same software, analyze the resulting data with the same playback software, and transmit their wireless FTI data in the same format as that used for wired data.

"Curtiss-Wright is very excited to bring LORD's proven wireless sensor network capability to our existing suite of FTI data acquisition products," said Lynn Bamford, Senior Vice President and General Manager, Defense Solutions division. "Our customers are seeking ways to reduce weight and installation time while maximizing the flexibility of where on the airborne platform they can place data acquisition sensors. By providing seamless integration for wireless networking on our Acra KAM-500 subsystem, we help reduce cabling, time, effort and weight."

#### **About the Acra KAM-500**

The Acra KAM-500 is a compact, low-power, modular DAU that has been developed through decades of experience and continued investment in R&D. Driven by hardwired finite state machines, the DAU is extremely reliable, and its small size makes it ideal for installing in locations that have limited space. The Acra KAM-500 has passed rigorous environmental

testing ensuring it is fully qualified for aerospace applications, enabling rugged flight data acquisition in the harshest of environments.

**About LORD MicroStrain's LXRS® Protocol**

LORD MicroStrain's proprietary LXRS® wireless protocol is a 2.4GHz IEEE 802.15.4-compliant communication architecture featuring Lossless Extended Range Synchronized wireless data. LXRS® combines microsecond time-synchronization with a scalable star network. User-controllable sampling rates are automatically coordinated over thousands of wireless sensor nodes, all with 100% reliable data throughput under most operating conditions. LORD wireless nodes are time-synchronized to  $\pm 32$  microseconds to provide precise, comparable measurements on a distributed wireless network.

**About Curtiss-Wright Corporation**

Curtiss-Wright Corporation (NYSE:CW) is a global innovative company that delivers highly engineered, critical function products and services to the commercial, industrial, defense and energy markets. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing reliable solutions through trusted customer relationships. The company employs approximately 9,000 people worldwide. For more information, visit [www.curtisswright.com](http://www.curtisswright.com).

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